Dynamic standing frame

REHASUV®

CE

Instrukcja użytkowania i konserwacji

AKCESMED®

CAUTION! Manufacturer takes responsibility for proper usage of the device only when the product was purchased from qualified Akces-Med employee or at specialized medical store.

Medical product first class according to the Regulation 93/42/EWG of European Parliament and Council regarding medical products.
For this product the producer issued relevant declaration of conformity.
Producer's identification number in the Registration Department of Healing Products, Medical Products and Biocide Products:

PL/CA01 04088/W

QUALITY MANAGEMENT SYSTEM ISO 13485

ISO 13485
CERTIFIED COMPANY

Akces-Med Sp. z o.o. Company introduced quality management system ISO 13485 regarding production, sales and service.
The system is certified by Det Norske Veritas..

AKCESMED

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INTRODUCTION

Rehabilitation standing frame REHASUV was designed for herabilitation of patients with paresis of lower limbs and trunk, to enable them taking upright position and independent walking. You receive a functional product, ergonomic and safe. Light and stable base, easiness in adjustment of supports (armpit-supports as well) are one of the most important advantages of our rehabilitation standing frame. In case of any questions, please contact our medical consultant (ph. 0048 508 382 509) or directly our office (ph. 0048 17 864 0470)

CAUTION! Before using the product, user is obliged to familiarize himself/herself with user manual. Remember that complying with guidelines is highly important. It assures safety and extends durability as well as aesthetics of the device.

1. The purpose of instruction manual

The present instruction manual contains basic information which is essential for proper usage, preparation, maintenance, cleaning and guarantee conditions regarding REHASUV.

Instruction manual should be kept in easily accessible place. It is designed for people who look after disabled, and for both doctors as well as physiotherapists who operate the device.

CAUTION! Before using the product, user is obliged to familiarize himself/herself with user manual.

Remember that complying with guidelines is highly important. It assures safety and extends durability as well as aesthetics of the device.

2. Guidelines for using REHASUV STANDING FRAME

REHASUV is a dynamic standing frame designed for active rehabilitation of patients with paresis of lower limbs and trunk. Use of this device allowes for safe upright standing of the patient and learning to walk. It can be done independently by the patient (under supervision) or with assistance of cearers trained in handling of REHASUV.

Thanks to its design, REHASUV is very useful in rehabilitation of patients at home, at hospitals and rehabilitation centers. Correct use of this device may improve walking skills and speed up the process of rehabilitation.

3. GENERAL CHARACTERISTICS OF REHASUV

3.1 Standard equipment

1. Frame with castors equipped with brakes
(2 back castors with friction brake)
2. Closing grip
3. Chair
4. Chest belt
5. Low armpit supports

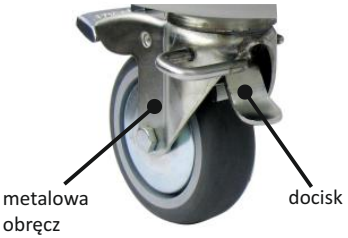
Back castors with friction brake

3.2.Additional equipment

Castors with fixed direction of movement

Castors with blockade of reverse movement of standing

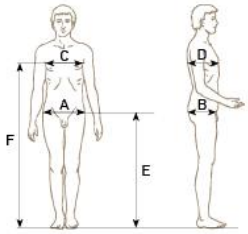
Fot. 1 Blokada załączona



Fot. 2 Blokada wyłączona

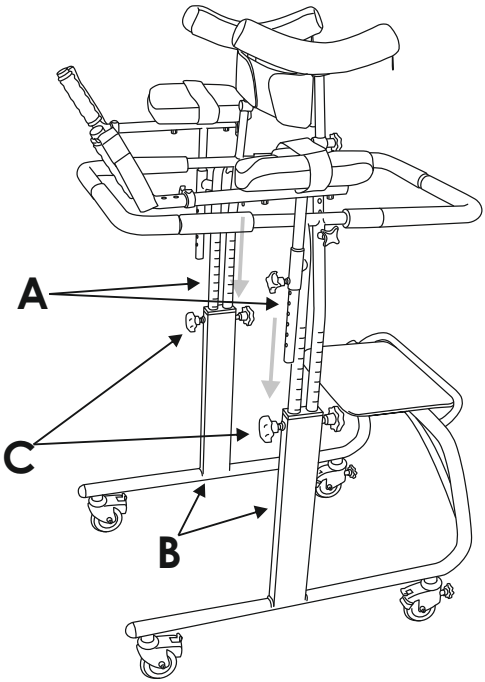
4. SIZE TABLE

Size	1	2	3
A. Maximum width of pelvis [cm]	28	37	42
C. Maximum width of chest [cm]	18-28	27-37	25-42
E. Height to the axis of pelvic joint [cm]	60-75	76-109	80-117
F. Height to the level of breast bone [cm]	79-101	96-139	115-162
G. Weight of the user (maximum) [kg]	30	55	95
Height of sit from the ground [cm]	43	49	54



5. Assembly of the standing frame

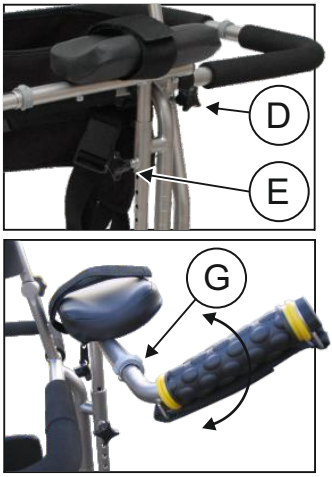
To start the assembly of the standing frame: insert the running pipes (A) into pillars of the base (B) and tighten the screws (C) in order to block them on the required level.



ATTENTION! When you are adjusting the height of the standing frame it is not allowed to pull the pipes above the double line marked on the bearers!

5.1 Assembly of armpits supports

In order to assemle the armpits supports loosen up the screw (D). Assemble the armpits supports in such a psition that patient's shoulders are neither raised nor dropped. Patient's shoulders should rest freely on the armpit supports located in the armpits while the patient is in upright position. Armpits supports can be adjusted to the inside or to the outside in order to better match the patient's width.



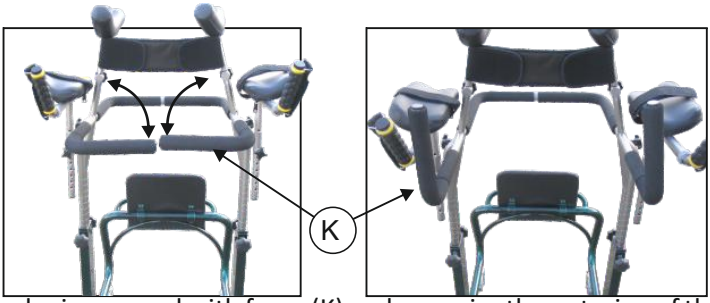
5.2 Assembly of arm supports

In order to assemble the arm supports loosen up the screws (E) and select required height. Elbows should rest freely on the supports (shoulders shold be neither raised nor dropped). The length of hand grip must be adjusted according to the length of the forearm. In order to do that remove the blockade (G), adjust the grip and tighten the blockade (G) in the required position. The angle of the grip can be also adjusted according to the need.

5.3 Assembly of the pelvis stabilizing harness and modular apparatus

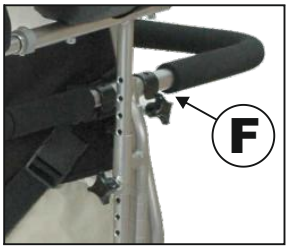
Patient should wear the pelvis harness (!). (It should be put on before entering the standing frame). Check if the stabilizing belts are well adjusted. If required- the patient can also put on the modular apparatus (J).

Modular apparatus should be put on by medical staff or other specially trained people.



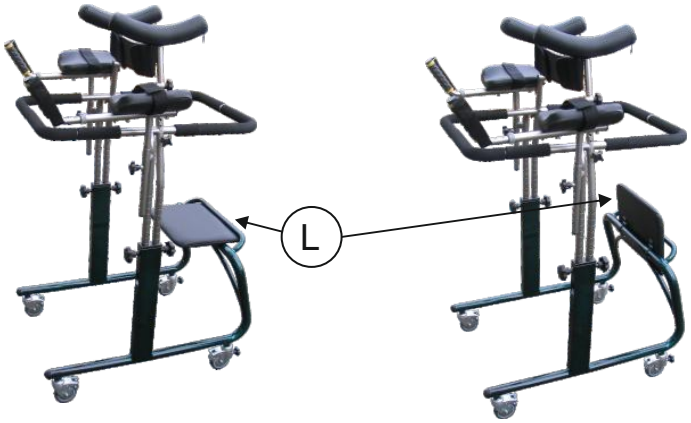
Opening hand grip covered with foam (K) makes easier the entering of the frame by the patient. Provides support for patient's hands and increases safety.

Patient wearing the pelvis harness can be placed in the standing frame. Grips (F) should be assembeld in the specified places.



Upright position of the patient is safe and comfortable. In this position patient gets used to new conditions. Patients sense of balance, internal organs and blood circulation adopt to increased weight. In upright position patient can exercise and improve walking skills.

It is advisable to collapse the chair during learning to walk.



6. Learning to walk

If the leading doktor allows and the patient feels strong enough he/she may start using the device as a standing frame. The wheels can be unblocked and the exercisse may begin. Before the patient takes first steps, he/she learns how to keep the balance gently leaning forward, backwards and to the side. After the patient is used to independent standing first steps can be taken. Arms are resting on the grips (grips are additionally covered with foam fabric to secure hands from slipping), or arm supports.

Patient mooves pelvis forward , balance is shifted forward to simulate the process of walking. The position acheived by shifting patient's body forward shouldn't be forced as it may give opposite result and teach patient negative habits.

Before the patient starts learning to walk, he/she learns under the supervision of the care person how to independently stay in upright position. Next, the patient starts to shift weight form left to right leg and learns how to block the knee joints.

First steps should be taken forward, than backward and finally in different directions. At the beginning the patient is learning to take regular steps, than faster, longer, slower or shorter. In order to improve walking it is advisable to make use (if possible) of available at hospitals or rehabilitation centers exercisse places. Such places can be also prepared especially for the patient by the therapist. These usually are special "obstacle courses", characterised by different surface, obstacles like small slopes and turns marked with flags designed for the patient to practice, improve and test his/her ability to move. Patient learns to walk on different surface: flat, hard, soft, narrow, wide and light slopes.

After the exercisse is completed patient must safely leave the REHASUV and come back on his/her wheelchair, chair or bed etc.

7. THE USE OF REHASUV

CAUTION! REHASUV has to be used with compliance to guidelines included in this user manual. Remember to use the product only with someone who is trained and knowledgeable. Do not forget to prepare both product as well as patient before

7.1. Preparation of the patient

Before using the product, it is essential to make sure that:

- patient's outfit is light and comfortable sporty clothes are advisable;
- shoes should be comfortable and, moreover, they should stabilize ankle;
- due to hygienic reason and to avoid abrasion it is advisable for the patient to always wear clothes when using the device, skin must not be naked especially in places of regular contact with upholstery;
- drains, bags, catheters etc. if applied, have to be secured to function properly and not to disturb during using the product;
- if it is necessary for a patient to wear orthopedic supply (collar, corset, orthesis, shoes) if it is recommended by doctor.

CAUTION! Outfit should protect patient's skin from direct contact with upholstery as well as other parts of equipment.

CAUTION! Only doctor can make a decision concerning using any kind of orthopedic supply!

7.2. How to use REHASUV

1. Before use it is necessary to:
   - Unfold the device;
   - Place the device on even ground;
   - Make sure that all parts are serviceable, correctly mounted and stable;
   - Block brakes;
   - Adjust the device to patient's measurements;
   - Undo vest, trunk belts etc so as to place easily the patient is the device;
   - Place patient in the device;
   - Fasten all elements which stabilize patient e.g. vest, trunk belts, feet stabilizing belts etc.;
   - Mount additional equipment e.g. tray.

Equipment works correctly only when the device is adjusted according to patient's height as well as weight. Remember to take all these measurements into account while purchasing the product. Correct adjustment is the most important due to the fact that only then the product is safe. It is forbidden to force child to keep specific position because he/she will feel uncomfortable and it may lead to wrong posture.

CAUTION! Remember to makes sure that all belts and locking and correctly adjusted and fastened. Check also if fastenings from adjustable elements are firmly tightened.

7.3. Upright position

CAUTION!

The length of time for upright position process is different for each patient. It is recommended to extend this time during the initial period (adaption period for the change of position). Either doctor or physiotherapist can make decision concerning the length of upright position process. Upright position process has to be always performed under the supervision of trained person!

It is recommended to divert patient's attention during upright position process by:
- manipulation games
- educational games
- touch stimulation and others

CAUTION! It is highly important to adjust the device to the patient before using it!

CAUTION! Make sure that all belts as well as fastenings from adjustable elements are correctly adjusted and fastened.

CAUTION! It is forbidden to leave the patient unattended!

CAUTION! Only trained staff can adjust standing frame to the patient!

CAUTION! As far as first upright standing is concerned, it takes place in rehabilitation, neurosurgery or orthopedics wards. Moreover, it has to be performed together with doctor and physiotherapist due to the fact that medical problems may appear during first treatments such as fainting, drop in blood pressure, dizziness etc. Upright standing is continued in home together with trained staff (rehabilitation technician, district nurse, trained family members).

CAUTION! Incorrect adjustment of the device can lead to side effects such as: fainting, body deformities, overloading joints. It is highly advisable to adjust the device before every use of a standing frame. This adjustment has to be done only by a trained person or therapist. If any of these side effects appear, it is highly important to stop the upright position process, take out the patient from the device and lie him/her down. If these undesirable side-effects still occur it is necessary to contact doctor. If these side effects disappeared, remember to inform doctor so as to make decision concerning further upright position process.

8. SAFETY RULES

CAUTION! Dynamic standing frame REHASUV has to be used in compliance with guidelines in this user manual.

It is highly important to consult either doctor or physiotherapist in order to make right decision concerning the choice of REHASUV and its size. It is also essential to familiarize with the guidelines described in user manual before using the device.

1. Before use it is necessary to:

- make sure that there are no damages or different faults which could endanger patient's life; check if all parts are working and are correctly mounted and,

- check if all screws, knobs and all glued, sewed or tapped parts are tightened;
- check if brakes are operating correctly;
- check if buckles are operating correctly;
- always use safety belts, Velcro tapes should overlap min. 8cm;
- adjust the device according to patient's measurements and needs e.g. the adjustment of pelottes , footplate etc.;
- make sure that all movable parts and knobs for adjustments are stable and locked;
- secure patient with the aid of elements such as vest, foot stabilizing belts, pelottes, abduction block, headrest. It is highly important to secure patient because it safeguards him/her from falling out. If abduction contracture occurs, it is recommended to use abduction block in order to prevent ulcers between knees.

2. It is forbidden to use the device for different purposes that it is intended to.
3. It is forbidden to use the device when it is damaged or any part is missing.
4. It is forbidden to leave the patient unattended.
5. The device should be used only when there is someone who is trained and knowledgeable.
6. It is forbidden to leave the device and the patient on unstable ground unattended, even if the brake is engaged.
7. It is forbidden to either go up or down the stairs; it doesn't matter if the patient is placed in the device or not.
8. It is important to engage brake during getting into and getting out the device.
9. Make sure that all limbs are not close to spokes or other adjustable elements.
10. Although the device and the upholstery are made of fire-resistant materials, please pay your attention when approaching to sources of fire or sources of high temperature during using the device. Moreover, device shouldn't be stored in rooms with high humidity.
11. Secure the device during transportation in order to avoid any possible damages. Manufacturer doesn't take responsibility for damages which appeared due to improper preparation of the device during transportation.

CAUTION! This device can be only used inside the buildings.

CAUTION! The device contains small parts which children may swallow.

CAUTION! It is forbidden to make any changes concerning device's structure due to the fact that it is dangerous and it results in loosing warranty.

1) AKCES-MED Sp. z. o. o sells products free from manufacturing defects or faults.
2) Manufacturer gives the purchaser 24-month guarantee from the date of purchase. All defects revealed during warranty period will be repaired free of charge.
3) All defects which appear after warranty period can be repaired only when the user will pay for it. This rule doesn't apply to refunded products - user can ask National Health Refund for refund.
4) Manufacturer claims that the product can be used for 36 months. User can use this product after this period only when he/she will send the device to manufacturer so as to service it. Next, manufacturer determines again how long the product can be used and, moreover, the date of the next service will be determined.
5) If product is damaged, please contact our dealer or AKCES-MED customer service (ph. 17/864 04 70)

9. MAINTENANCE AND CLEANING

REHASUV should be kept clean and used in compliance with the manufacturer's recommendations. The device should be kept in clean, dry and ventilated room. Maintenance as well as cleaning have to be performed at least once a month. Regular cleaning and maintenance of device are indispensable to maintain its correct functionality as well as safety.

It is highly advisable to remember about proper maintenance in order to extend product's aesthetics. So as to do that, it is essential to comply with these guidelines:

1. It is recommended to clean upholstery with the aid of cleaning product, soft sponge and warm water. If you use sponge which is too wet, stain may get bigger, upholstery may be destroyed. It is necessary to remember that the excess of dampness should be removed from fabric before next cleaning. Please rinse upholstery with warm water and clean white cloth once stain is removed.
2. It is forbidden to soak upholstery!
3. It is forbidden to clean upholstery with the aid of hard brushes.
4. It is forbidden to clean upholstery with strong chemical agents such as solvent or caustic chemicals.

CAUTION! Akces-MED. Sp z o. o takes no responsibility for damages caused by use of wrong clearing agent.

5. It is forbidden to soak upholstery during cleaning. Remember that upholstery has to be always dry before using.
6. It is forbidden to clean, make any changes and maintain stroller during using it.
7. All metal as well as plastic elements should be cleaned by hand with the aid of general cleaning products. Remember to familiarize yourself with cleaning product's leaflet.

CAUTION! Remember that upholstery has to be always dry before using!

Before using it is necessary to:

- clean wheels;
- check if base as well as wheels are correctly mounted; check if brake stops turning wheel;
- make sure that all wooden parts e.g. tray don't have splinters;
- check if stroller construction is free of breaks or any kinds of deformities;
- check if all movable parts are working and all screws, nuts, knobs etc. are correctly tightened;
- check if belts, vests, trunk belts, feet stabilizing belts etc are not frayed; check if buckles and clamps work correctly.

CAUTION! Manufacturer takes responsibility only for hidden faults or damages which appeared despite the fact that user complied with the guidelines.

CAUTION! In case of any damages, it is essential to contact the person who sold you the product.

PRODUCENT PRZEDMIOTÓW ORTOPEDYCZNYCH

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AKCES-MED Sp. z o.o. zastrzega sobie prawo do wprowadzania zmian technicznych i handlowych w treści instrukcji bez wcześniejszego uprzedzenia.